

DIVISION OF BRIDGE

BRIDGE MANUAL ADDENDUM

Revision: 1.3-06/17/04
To: Section 1.3
Date: June 28, 2004

The following revised sheets are to be inserted into the bridge manual.
This cover sheet is for information only and need not be retained.

Distribution of loads – Section 1.3

<u>Page</u>	<u>Date</u>	<u>Description</u>
4-1	May 2002	No change printed on front of 4-2
4-2	May 2002	Height Clarification
7-1	Aug. 2002	No change printed on front of 7-2
7-2	May 2002	Height Clarification
7-3	Sept. 2003	Height Clarification
7-4	May 2002	Height Clarification

DIVISION OF BRIDGE

BRIDGE MANUAL ADDENDUM

Revision: 2.5-06/17/04
To: Section 2.5
Date: June 28, 2004

The following revised sheets are to be inserted into the bridge manual.
This cover sheet is for information only and need not be retained.

General Quantities – Section 2.5

<u>Page</u>	<u>Date</u>	<u>Description</u>
1-1	April 2004	Change Class 3 Excavation to Class 4
1-2	April 2004	No change printed on back of 1-1
1-11	April 2004	No change printed on front of 1-12
1-12	June 2004	Added Pay Item for Mechanical Bar Splices (706-10.70)
1-15	April 2004	Added Steel Intermediate Diaphragms for P/s Girder
1-16	April 2004	No change printed on back of 1-15
1-17	April 2004	Remove Pay Items 712-55.00, 55.10, 55.20, 56.0 from list.
1-18	April 2004	Change date of last changes for this list.

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BRIDGE MANUAL ADDENDUM

Revision: 3.30-06/24/04
To: Section 3.30
Date: June 28, 2004

The following revised sheets are to be inserted into the bridge manual.
This cover sheet is for information only and need not be retained.

General Superstructure – Section 3.30

<u>Page</u>	<u>Date</u>	<u>Description</u>
1.2-8	May 2001	No change printed on front of 1.3-1
1.3-1	May 2004	Changed Profile Grade Information

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BRIDGE MANUAL ADDENDUM

Revision: 3.35-06/14/04
To: Section 3.35
Date: June 28, 2004

The following revised sheets are to be inserted into the bridge manual.
This cover sheet is for information only and need not be retained.

Expansion Device – Section 3.35

<u>Page</u>	<u>Date</u>	<u>Description</u>
6.2-1	April 2004	Revised drawing
6.4-1	April 2004	No change printed on back of 6.2-1

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BRIDGE MANUAL ADDENDUM

Revision: 3.76-06/17/04
To: Section 3.76
Date: June 28, 2004

The following revised sheets are to be inserted into the bridge manual.
This cover sheet is for information only and need not be retained.

Concrete Pile Cap- Non-Integral End Bents – Section 3.76

<u>Page</u>	<u>Date</u>	<u>Description</u>
3.1-1	Feb. 2004	No change printed on front of 3.1-2
3.1-2	July 2002	Corrected Dimesion from 15" to 18" for wing depth

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BRIDGE MANUAL ADDENDUM

Revision: 3.76-06/24/04
To: Section 3.76
Date: June 28, 2004

The following revised sheets are to be inserted into the bridge manual.
This cover sheet is for information only and need not be retained.

Concrete Pile Cap- Non-Integral End Bents – Section 3.76

<u>Page</u>	<u>Date</u>	<u>Description</u>
3.1-7	May 2001	Typo error
3.1-8	May 2004	No change printed on back of 3.1-7

DIVISION OF BRIDGE

BRIDGE MANUAL ADDENDUM

Revision: 3.90-06/24/04
To: Section 3.90
Date: June 28, 2004

The following revised sheets are to be inserted into the bridge manual.
This cover sheet is for information only and need not be retained.

Widening and Repair – **Section 3.90**

<u>Page</u>	<u>Date</u>	<u>Description</u>
1.5-1	April 2004	No change printed on front of 1.5-2
1.5-2	April 2004	Revised Joint Details with backer rod
2.1-3	Feb. 2004	No change printed on front of 2.1-4
2.1-4	Feb. 2004	Revised Epoxy Seal note to (full length at curb)

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BRIDGE MANUAL ADDENDUM

Revision: 4.0-06/23/04
To: Section 4.0
Date: June 28, 2004

The following revised sheets are to be inserted into the bridge manual.
This cover sheet is for information only and need not be retained.

Office Notes – Section 4.0

<u>Page</u>	<u>Date</u>	<u>Description</u>
A3-A	Feb. 2004	No change printed on front G1-B
A4-A	Feb. 2004	Revised note A4.2 moved A4.14 to A4-B
A4-B	Feb. 2004	Noted moved from A4-A
A4-C	April 2004	No change printed on back of A4-B
C3-A	Feb. 2004	Revised note C3-1
Blank		Back
G1-A	Feb. 2004	No change printed on front G1-B
G1-B	Feb. 2004	Added note G1.16
H5-C	Feb. 2004	Added note H5.40 removed note H5.45
H5-D	Feb. 2004	New note H5.54 removed note H5.60
H5-E	Feb. 2004	New note H5.69 removed note H5.69
Blank		Back

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BRIDGE MANUAL ADDENDUM

Revision: 4.0-06/24/04
To: Section 4.0
Date: June 28, 2004

The following revised sheets are to be inserted into the bridge manual.
This cover sheet is for information only and need not be retained.

Office Notes – Section 4.0

<u>Page</u>	<u>Date</u>	<u>Description</u>
I1-A	Feb. 2004	Added notes I1.5 for Asphaltic Concrete Wearing Surface Joint
I1-B	Nov. 1999	No change printed on back of I1-A

DIVISION OF BRIDGE

BRIDGE MANUAL ADDENDUM

Revision: 8.2-06/24/04
To: Section 8.2
Date: June 28, 2004

The following revised sheets are to be inserted into the bridge manual.
This cover sheet is for information only and need not be retained.

Hydraulic Design – Section 8.2

<u>Page</u>	<u>Date</u>	<u>Description</u>
1.1-1	Nov. 1999	Revised Bridge Rehabilitations
1.1-2	Nov. 1999	No change printed on back of 1.1-1

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BRIDGE MANUAL ADDENDUM

Revision: 2.5-07/13/04
To: Section 2.5
Date: Aug. 04, 2004

The following revised sheets are to be inserted into the bridge manual.
This cover sheet is for information only and need not be retained.

General Quantities – Section 2.5

<u>Page</u>	<u>Date</u>	<u>Description</u>
1-13	April 2004	Corrected misspelled word (Urethane)
1-14	April 2004	No change printed on back of 1-13

DIVISION OF BRIDGE

BRIDGE MANUAL ADDENDUM

Revision: 3.62-07/13/04
To: Section 3.62
Date: Aug. 04, 2004

The following revised sheets are to be inserted into the bridge manual.
This cover sheet is for information only and need not be retained.

Retaining Walls – Section 3.62

<u>Page</u>	<u>Date</u>	<u>Description</u>
2.1-3	Oct. 2002	Changed note total sq. ft. of concrete face panels to total sq. ft. of mechanically stabilized wall systems.
Blank		

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BRIDGE MANUAL ADDENDUM

Revision: 3.90-07/13/04
To: Section 3.90
Date: Aug. 04, 2004

The following revised sheets are to be inserted into the bridge manual.
This cover sheet is for information only and need not be retained.

Widening and Repair – Section 3.90

<u>Page</u>	<u>Date</u>	<u>Description</u>
1.5-1	April 2004	No change printed on front of 1.5-2
1.5-2	June 2004	Removed notes at bottom of page

DIVISION OF BRIDGE

BRIDGE MANUAL ADDENDUM

Revision: 4.0-07/13/04
To: Section 4.0 (Notes)
Date: Aug. 04, 2004

The following revised sheets are to be inserted into the bridge manual.
This cover sheet is for information only and need not be retained.

Notes – Section 4.0

<u>Page</u>	<u>Date</u>	<u>Description</u>
I1-A	June 2004	Highlighted first part of note, for instructions not part of note.
I1-B	Feb. 2004	No change printed on front of I1-A

DIVISION OF BRIDGE

BRIDGE MANUAL ADDENDUM

Revision: 4.0-07/13/04
To: Section 4.0 (Notes)
Date: Aug. 04, 2004

The following revised sheets are to be inserted into the bridge manual.
This cover sheet is for information only and need not be retained.

Notes – Section 4.0

<u>Page</u>	<u>Date</u>	<u>Description</u>
A3-A	Feb. 2004	No change printed on front of A4-A
A4-A	June 2004	Revised note 4.1 to help clarify cost

DIVISION OF BRIDGE

BRIDGE MANUAL ADDENDUM

Revision: 2.5-08/01/04
To: Section 2.5
Date: Sept. 01, 2004

The following revised sheets are to be inserted into the bridge manual.
This cover sheet is for information only and need not be retained.
Complete section Sec. 2.5 pages 1-1 thru 1-18 was reprinted because some lines was moved to next page because of changes to other sheets.

General Quantities – Section 2.5

<u>Page</u>	<u>Date</u>	<u>Description</u>
1-3	April 2004	Added Item numbers 505.00.01 and 505.00.05
1-4	April 2004	No change printed on back of 1-3
1-11	April 2004	No change printed on front of 1-12
1-12	June 2004	Removed Item numbers 707-10.10 and 707-10.20
1-17	June 2004	No change printed on front of 1-18
1-18	June 2004	Added item numbers 901-93-00 and 901-93.01
2-13	Dec. 2001	No change printed on front of 2-14.
2-14	April 2004	Clarification to note.

DIVISION OF BRIDGE

BRIDGE MANUAL ADDENDUM

Revision: 3.35-08/01/04
To: Section 3.35
Date: Sept. 01, 2004

The following revised sheets are to be inserted into the bridge manual.
This cover sheet is for information only and need not be retained.

Expansion Devices – Section 3.35

<u>Page</u>	<u>Date</u>	<u>Description</u>
1.5-2	Feb. 2004	Removed note (Do not use on square structures)
1.5-3	Feb. 2004	No change printed on back of 1.5-2
4.1-1	July 2002	No change printed in front of 4.3-1
4.3-1	Aug. 2001	Revised Spec numbers
4.3-2	Aug. 2001	Revised Spec numbers
4.3-3	Aug. 2001	Revised Spec numbers

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BRIDGE MANUAL ADDENDUM

Revision: 3.62-08/26/04
To: Section 3.62
Date: Sept. 01, 2004

The following revised sheets are to be inserted into the bridge manual.
This cover sheet is for information only and need not be retained.

Retaining Walls – Section 3.62

<u>Page</u>	<u>Date</u>	<u>Description</u>
2.2-1	May 2002	Reprinted on the front of 2.2-2.
2.2-2	May 2004	Showed drainage system and changed "Random Backfill" to "Retained Material"

DIVISION OF BRIDGE

BRIDGE MANUAL ADDENDUM

Revision: 4.0-08/04/04
To: Section 4.0
Date: Sept. 01, 2004

The following revised sheets are to be inserted into the bridge manual.
This cover sheet is for information only and need not be retained.

Office Notes – Section 4.0

<u>Page</u>	<u>Date</u>	<u>Description</u>
H1-C	Feb. 2004	Revised note H1.18.
H1-D	Feb. 2004	Reprinted on the back of H1-C.
H5-C	June 2004	Reprinted on the front of H5-D.
H5-D	June 2004	Revised note H5.46.
H5-E	June 2004	Reprinted on the front of H5-F.
H5-F	Sept. 2004	New page and new note H5.76.
I1-A	June 2004	Reprinted on the front of I1-B.
I1-B	Feb. 2004	Added note I1.13.

DIVISION OF BRIDGE

BRIDGE MANUAL ADDENDUM

Revision: 2.5-10/01/04
To: Section 2.5
Date: Oct. 01, 2004

The following revised sheets are to be inserted into the bridge manual.
This cover sheet is for information only and need not be retained.

General Quantities – Section 2.5

<u>Page</u>	<u>Date</u>	<u>Description</u>
1-1	June 2004	Revised note explaining excavation quantities.
1-2	June 2004	No change printed on back of 1-1.
2-1.7	Feb. 2004	Removed notes for concrete mix.
2-1.8	April 2004	Revised excavation datum note to clarify Class of Excavation and revised footnote to clarify excavation quantities.
2-7	Dec. 2001	Changed detail to clarify excavation limits.
2-8	May 1999	No change printed on back of 2-7.
2-9	Dec. 2001	No change printed in front of 2-10.
2-10	Dec. 2001	Changed detail to clarify excavation limits.
2-11	Dec. 2001	Changed detail to clarify excavation limits.
2-12	Dec. 2001	No change printed on back of 2-11.
2-13	Dec. 2001	Changed detail to clarify excavation limits.
2-14	Sept. 2004	No change printed on back of 2-13.

DIVISION OF BRIDGES

BRIDGE MANUAL ADDENDUM

Revision: 3..20-10/01/04

To: Culverts

Date: Oct. 1, 2004

The following revised sheets are to be inserted into the MicroStation Standard Library (English Version) Manual.

This cover sheet is for information only and need not be retained.

Culverts

<u>Page</u>	<u>Date</u>	<u>Description</u>
4.3-1	Jan. 2002	Corrected note by changing " 150 degrees to 150 feet "
4.3-2	Jan. 2002	No change printed on back of 4.3-1

DIVISION OF BRIDGE

BRIDGE MANUAL ADDENDUM

Revision: 3.90-10/01/04
To: Section 3.90
Date: Oct. 01, 2004

The following revised sheets are to be inserted into the bridge manual.
This cover sheet is for information only and need not be retained.

Widening and Repair – Section 3.90

<u>Page</u>	<u>Date</u>	<u>Description</u>
2.2-1	July 2001	Remove this sheet it has been Voided.

DIVISION OF BRIDGE

BRIDGE MANUAL ADDENDUM

Revision: 4.0-09/14/04
To: Section 4.0
Date: Oct. 01, 2004

The following revised sheets are to be inserted into the bridge manual.
This cover sheet is for information only and need not be retained.

Office Notes – Section 4.0

<u>Page</u>	<u>Date</u>	<u>Description</u>
B3-D1	Feb. 2004	Removed notes (B3.51 & B3.52) and revised table.
B3-D2		Removed note B3.55
C3-A	June 2004	Changed number of bar splices to be used from 25 to 50. (This is a previous correction but failed to be corrected on-line and on the internet for external use.)
H2-B3	Feb. 2004	Revised note H2.27 to include “preformed fiber expansion joint” and clarified cut made to polystyrene.
H2-B4	Feb. 2004	No change printed on back of H2-B3.
H5-C	Sept. 2004	H5.40 Changed wording to match pay Item of “Preformed Compression Seal Expansion Joint System”
H5-D	Sept. 2004	No change printed on back of H5-C
I1-A	July 2004	Added note I1.10a
I1-B	Feb. 2004	No change printed on back of I1-A

DIVISION OF BRIDGES

BRIDGE MANUAL ADDENDUM

Revision: 8.1-10/01/04
To: Preliminary Design

Date: Oct. 1, 2004

The following revised sheets are to be inserted into the MicroStation Standard Library (English Version) Manual.

This cover sheet is for information only and need not be retained.

Preliminary Design

<u>Page</u>	<u>Date</u>	<u>Description</u>
i-1	Jan. 2002	Revised Index for new section 8.1.2.31
i-2	Jan. 2002	Moved part of i-1 to i-2
2.30-3	Sept. 2001	No change printed on front of 2.31-1
2.31-1	Oct. 2004	New sheet for Policy on aesthetics
2.12-1	Jan. 2002	No change printed on front of 2.13-1
2.13-1	Sept. 2001	Revised note for erosion control
2.20-1	Sept. 2001	Added table for pile embedment
2.21-1	Sept. 2001	No change printed on back of 2.20-1
2.28-2	Sept. 2001	No change printed on back of 2.20-1
2.28-3	July 2003	Revised letter with instructions

DIVISION OF BRIDGE

BRIDGE MANUAL ADDENDUM

Revision: 2.5-11/10/04
To: Section 2.5
Date: Nov. 2004

The following revised sheets are to be inserted into the bridge manual.
This cover sheet is for information only and need not be retained.

General Quantities – Section 2.5

<u>Page</u>	<u>Date</u>	<u>Description</u>
1-13	July 2004	Added pay items for Waterproofing Membrane.
1-14	April 2004	No change printed on back of 1-13.

DIVISION OF BRIDGE

BRIDGE MANUAL ADDENDUM

Revision: 3.62-10/13/05
To: Section 3.62
Date: October 14, 2005

The following revised sheets are to be inserted into the LFD Bridge Manual.
This cover sheet is for information only and need not be retained.

Retaining Walls – Section 3.62

<u>Page</u>	<u>Date</u>	<u>Description</u>
2.1-1	Apr. 2003	Revised note from Special Provisions to Missouri Standard Specifications.
2.1-2	Apr. 2003	No change printed on back of 2.1-1.
2.1-3	July 2004	Removed note Details of salt proofing added formliners,concrete coloring, etc.
Blank		No change printed on back
2.2-1	May 2002	No change printed on front of 2.2-2
2.2-2	Sept. 2004	Removed curb details from Small Block Wall Details
2.2-5	Aug. 2003	Removed – strictly on top of the wall-
Blank		No change printed on back

DIVISION OF BRIDGE

LFD Bridge Manual

Revision: Jan. 2006
To: Section 3.90 LFD
Date: Jan. 03, 2006

The following revised sheets are to be inserted into the **LFD Bridge Manual**.
This cover sheet is for information only and need not be retained.

Widening and Repair – Section 3.90

<u>Page</u>	<u>Date</u>	<u>Description</u>
1.4-2	April 2004	Clarified notes to match specifications and Bridge Manual.
1.4-3	April 2004	Clarified notes to match specifications and Bridge Manual.

DIVISION OF BRIDGE

Bridge Manual

Revision: Jan. 18, 2006
To: Section 3.71 - Open Concrete Int. Bents
Date: March 01, 2006

The following revised sheets are to be inserted into the LFD Bridge Manual.
This cover sheet is for information only and need not be retained.

Open Concrete Int. Bents – Section 3.71

<u>Page</u>	<u>Date</u>	<u>Description</u>
3.1-3	Feb. 1999	No change printed on front of 3.2-1
3.2-1	Dec. 1999	Revised notes regarding keyed construction joints in bearing beam and tie beam